Printed Page:-		Subject Code:- ACS0301	
		Roll. No:	
	NOIDA INSTITUTE OF ENGINEERING A  (An Autonomous Institute Af	filiated to AKTU, Lucknow)	
	B.To SEM: II - CARRY OVER THEORY E Subject: Introduction	XAMINATION - JUNE (2021 - 2022)	
Time: 3		Max. Marks: 100	)
<ol> <li>The que</li> <li>Section</li> <li>Section</li> <li>Section</li> </ol>	A - Question No- 1 is 1 marker & Question No- 3 is based on external choic C - Questions No. 4-8 are within unit choice	e carrying 6 marks each.	
	SECTION	A 20	
1. Attemp	t all parts:-		
1-a.	Which of these companies is not a leader in	cloud computing? (CO1)	1
	(a) Google		
	(b) Microsoft		
	(c) Amazon		
4.1	(d) Blackboard	0.(001)	
1-b.	What is the disadvantage of cloud computing		1
	(a) It requires constant internet conne		
	<ul><li>(b) It does not support group collabo</li><li>(c) It provides limited storage.</li></ul>	ration.	
	(d) None of these		
1-c.	What is virtualized in full virtualization? (C	O2)	l
	(a) Processor	- ,	
	(b) Application		
	(c) Desktop		
	(d) Hardware		
1-d.	Which architecture will be built on top of a	SOA ? (CO2)	1
	(a) Application Architecture		
	(b) Service Architecture		
	(c) Component Architecture		
1	(d) None of the above	G (CO2)	
1-e.	How many types of services does the Cloud	Computing offer to the users? (CO3)	Ĺ
	(a) 2 (b) 4		
	(c) 5		
	(d) 3		
1-f.	Which of the following is the application of	cloud computing? (CO3)	l
	(a) Adobe Creative Cloud	1 8	
	(b) Paypal		
	(c) Google G Suite		
	(d) All of the mentioned above		
1-g.	Which one of the following can be considered	ed as the example of the Front-end? (CO4)	1

	(a) Web Blowsel		
	(b) Google Compute Engine		
	(c) Cisco Metapod		
	(d) AWS		
1-h.	Which of the following provides the Graphic User Interface (GUI) for interaction with the cloud? (CO4)	1	
	(a) Client		
	(b) Client Infrastructure		
	(c) Application		
	(d) Server		
1-i.	Which OpenStack component provides database as a service? (CO5)	1	
	(a) Trove		
	(b) Kuryr		
	(c) Storlets		
	(d) Manila		
1-j.	Which of the following allows the users to login into a several different websites with the same single account? (CO5)	1	
	(a) OpenID		
	(b) FIDM		
	(c) SSO		
	(d) IDENTITY		
2. Attempt	t all parts:-		
2.a.	What do you understand by "on demand provisioning" of resources in cloud computing environment? (CO1)	2	
2.b.	What are the different types of virtualization? (CO2)	2	
2.c.	What is the role of cloud auditor? (CO3)	2	
2.d.	Explain the security standards? (CO4)	2	
2.e.	What is Windows Azure? (CO5)	2	
	SECTION B 30		
3. Answer	any <u>five</u> of the following:-		
3-a.	What is client-server computing? Explain with the help of a diagram. (CO1)	6	
3-b.	Discuss the features of EC2 instances. (CO1)	6	
3-c.	What are the various advantages of I/O devices virtualization? (CO2)	6	
3-d.	Give the brief introduction of REST. How it is useful in cloud computing process? (CO2)	6	
3.e.	Point out the benefits of PaaS. (CO3)	6	
3.f.	Identify & explain the risks associated with storage of data security. (CO4)	6	
	Discuss the future of federation in terms of cloud computing. (CO5)	6	
3.g.		U	
1 A a			
	any <u>one</u> of the following:-	10	
4-a.	Discuss the evolution of cloud computing. (CO1)	10	
4-b.	Differentiate between:  (i) Cluster and Grid computing  (ii) Cluster and Floridites (CO1)	10	
E A	(ii) Cloud Scalability and Elasticity. (CO1)		
5. Answer any <u>one</u> of the following:-			
5-a.	What is a Hypervisor? Explain in detail with necessary illustrations. (CO2)	10	
5-b.	Write short notes on: (i) Instruction Set Architecture Level (ISA) Virtualization (ii)	10	

(a) Web Browser

	Hardware Abstraction Level (HAL) Virtualization (iii) Operating System Level Virtualization. (CO2)	
6. Answe	er any <u>one</u> of the following:-	
6-a.	Explain the NIST cloud computing reference architecture with a neat schematic diagram. (CO3)	10
6-b.	What are the various design challenges in IaaS, PaaS, and SaaS models? Compare IaaS, PaaS, and SaaS with examples. (CO3)	10
7. Answe	er any <u>one</u> of the following:-	
7-a.	Discuss third party authentication in IAM. How AWS IAM allows access? (CO4)	10
7-b.	Express the objectives of cloud security governance. (CO4)	10
8. Answe	er any one of the following:-	
8-a.	Analyse the features and limitations of Open Stack in terms of its availability on global cloud resource management platform. (CO5)	
8-h	Enlist the services that are provided by Amazon and explain any three (CO5)	10